

Query Match	100.0%;	Score 3962;	DB 1;	Length 3962;
Best Local Similarity	100.0%;	Pred. No. 0;		

QY 2161 AGAAGCTTGGCGAGGAGGAGGAGTGCACCTGTGTAGAGTGACAGCCCTCAAG 2220
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 DB 2221 ATCTGGTCACTTGTGATTTCCCTTAATGTGCTAAAGGACACCTTGTGTAGCTG 2280
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 DB 2281 TCAAGATCTTAGGGCCGATGGCCACCAAGAAATGCGACCTTCTCTTCCAGGAATG 2340
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 DB 2341 ATTTCTGAAAAGAGGTGAAGATCATGTGAGGCTCAAGGAGCCCAATCATTTGGGCTG 2400
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 DB 2401 TGGGCGTGTGTGTGACAGAGGACCCCTGTGATGATTACTGATGATGAGAAAGCGG 2460
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 DB 2461 ACCTCAACAGCTTCCACAGTGGCCACAGTGGAGGACAGGAGCCGAGGGGCGCTG 2520
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 DB 2521 GGGAGCGGAGGAGGCTGGCGAGGAGGAGCCACATCAGCTACCCATGCTGTGATGAG 2580
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 DB 2701 GCCGGAACCTCTATGCTGGGGAATTTACGCTGTGAGGAGGCGGAGTCTGCCATCC 2760
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 DB 2941 TGTACCTGTCCGCGCGCTGCTGCTGCGCGAGGCGCTATATGAGTATGCTTGGTGT 3000
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 DB 3301 TAGAAGCCCTGTGCGCCACCAGCTGTGCTGTGAGTGGATCTTCCACCTCTCT 3360
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 QY 3661 CCACCTTCCAGCTGAGCTGCTGTGAGTAACTGCTTAAGCCATGAGCTTCTGAGAG 3720
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 QY 3901 GCACTAGGAGGATTAATTAAGTGTGAGTGTTCACAAAAAAGGAGGAGGAGGAG 3960
 DB 3901 GCACTAGGAGGATTAATTAAGTGTGAGTGTTCACAAAAAAGGAGGAGGAGGAGGAG 3960
 QY 3961 TC 3962
 DB 3961 TC 3962

RESULT 2
 US-08-445-640-3
 Sequence 3, Application US/08445640
 Patent No. 5709838
 GENERAL INFORMATION:
 APPLICANT: Godowski, Paul J.
 APPLICANT: Mark, Melanie R.
 APPLICANT: Scadden, David T.
 APPLICANT: Baker, Kevin P.
 APPLICANT: Baron, Will F.
 TITLE OF INVENTION: Protein Tyrosine Kinases
 NUMBER OF SEQUENCES: 35
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genentech, Inc.
 STREET: 460 Point San Bruno Blvd
 CITY: South San Francisco
 STATE: California
 COUNTRY: USA
 ZIP: 94080
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,640
FILING DATE: 22-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,614
REFERENCE/DOCKET NUMBER: 854C2
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-640-3

Query Match 87.18; Score 3451; DB 1; Length 3637;
Best Local Similarity 97.08; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTGTAAGGAATGCAAGAGATGCTGCCCAACCCCTTAGAGCCGAGGAGATCAG 315
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QY 316 GAGCTATGGACACAGAGAGCCCTGTATCTTACTGTCTGTCTCTTGTGTGCAAGTGGAG 375
DB 77 GAGCTATGGACACAGAGAGCCCTGTATCTTACTGTCTGTCTCTTGTGTGCAAGTGGAG 136
QY 376 ATGCTGACATTAAGGAGATTTTATCTCTGCAAGTGGCCCTATGCCCTGGGATGACAG 435
DB 137 ATGCTGACATTAAGGAGATTTTATCTCTGCAAGTGGCCCTATGCCCTGGGATGACAG 196
QY 436 ACCGACATCCACAGAGATGACATCTGCTTCCAGCTCTGCTGATTCACCTGCTGCG 495
DB 197 ACCGACATCCACAGAGATGACATCTGCTTCCAGCTCTGCTGATTCACCTGCTGCG 256
QY 496 CCCGACACAGAGATGAGAGCAGTACGAGGATGGGCTGTGCCCGGCAAGGAGTCCG 555
DB 257 CCCGACACAGAGATGAGAGCAGTACGAGGATGGGCTGTGCCCGGCAAGGAGTCCG 316
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QY 616 TGTGGGACACAGAGAGAGATGCGGGGCTGCGGCAAGAGATTCCTCCGAGCTAC 675
DB 377 TGTGGGACACAGAGAGAGATGCGGGGCTGCGGCAAGAGATTCCTCCGAGCTAC 436
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DB 437 GGTGCTGCTACTCCCGGATGCTGCGCGCTGATGAGGCTGGAAGACCGTGGGCTAG 436
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DB 1637 CTTACGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1696

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1697 ACACCCAGGCTACAGTGGGAGCTATATGAGCCTGAGAGCCAGGCGCCGCTTCTGC 1756
1996 CCCCACCTCCCAAGACACGCTCCCATTTATGCCAGGCTGACATTTTACCCTGCAGG 2055
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1817 GGGTACACCGGGGCAACACCTATGCTGTGCTGACATGGCCCCAGGGGCAAGTGGGGATG 1876
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2176 GCGCATTTGGGGAGGAGGACCTGTGTGAGGTGACAGCCCTCAAGATCTGTGCTGTG 2235
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2639 TCATCGAAGAGGGGGGAGATTTCTCGGAGACAGGCGCGGAGTGTACCTGTCCGGC 2698
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Db 3573 ATATTAAGGTGAGTTTCCACAAAAAATTTTATCCCTCAGTACAGAGTA 3611

RESULT 3
US-08-170-558-3
; Sequence 3, Application US/08170558
; Patent No. 6001621
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
```


RESULT 4
US-08-447-314-3
Sequence 3, Application US/08447314
Patent No. 6087144
GENERAL INFORMATION:
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 KB floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/447,314
FILING DATE: 22-May-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-Dec-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-Nov-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C1D2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ. ID NO.: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-447-314-3

Query Match 87.1%; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.0%; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGGACCTTGAAGGATGCGCAAGATGCTGCCCAACCCCTTAAAGCCGAGGATCAG 315
DB 17 GTTGGACCTTGAAGGATGCGCAAGATGCTGCCCAACCCCTTAAAGCCGAGGATCAG 76
QY 316 GAGCTATGGGACGAGAGCCCTGTACCTTACTGCTGCTGCTTGGTGGCAAGTGGAG 375
DB 77 GAGCTATGGGACGAGAGCCCTGTACCTTACTGCTGCTTGGTGGCAAGTGGAG 136
QY 376 ATGCTGACATGAAGGACATTTTGAATCCTGCAAGTGCCTATAGCCCTGGGATGAG 435
DB 137 ATGCTGACATGAAGGACATTTTGAATCCTGCAAGTGCCTATAGCCCTGGGATGAG 136
QY 436 ACCGGACATCCAGAGAGTGAATCTCTGCTTCAAGCTCCTGGTGAATTCACACTGCG 495
DB 197 ACCGGACATCCAGAGAGTGAATCTCTGCTTCAAGCTCCTGGTGAATTCACACTGCG 256
QY 496 CCCGCCACACAGAGTTGGAGAGAGTGAAGGAGTGGGGGCTGGTGGCCCGGAGGGTGG 555
DB 257 CCCGCCACACAGAGTTGGAGAGAGTGAAGGAGTGGGGGCTGGTGGCCCGGAGGGTGG 316

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DB 437 GGTCTGCTTACTCCCGGAGTGTGCGCTGGATGGGCTGGAAGGACCGTGGGGTCAAG 496
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DB 557 TGTGTGCGGAGTGTGCTTCTACCCCGGGGCTGACCGGGTCAATGATGCTGTGTC 616
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QY 1216 GCGGGGTGGAATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1275
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QY 1276 GCCACACCTAGGAGGAGACCTGGGGGACCCAGAGCCGGGCTGCTGCTGCTGCTGCTG 1335
DB 1037 GCCACACCTAGGAGGAGACCTGGGGGACCCAGAGCCGGGCTGCTGCTGCTGCTGCTG 1096
QY 1336 GCGGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1395
DB 1097 GCGGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1156
QY 1396 TCAGCAAAATCTCTTATCTCTGATGCTGTAACAATTCCTCTCCGACACTGGAGACA 1455
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QY 1456 CTTTCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1515
DB 1217 CTTTCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1276
QY 1516 AGCTGAGCCCAAGAGGACAGAGCCGTGGCCAAAGGCGGAGGGAGCCGACCCCATCC 1575
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QY 1576 TCATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1635
DB 1337 TCATCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1396
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1397 GGGCGCTGCACTGGCCGAGGCTCTCTCAGCAAGGCTGAACGAGGAGTGTGAAGAGAGC 1456
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2159 AGGAGACCCCTCTGCGATGATTTACGATACATGAGAGAGCGGAGCTTCAACAGTTCC 2218
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2219 TCAAGTCCCAACAGTGGAGAGCAAGGAGCGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2278
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2399 TAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2458
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2459 CTGGGAGCTATTACCGTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2518
2776 AGTGCATCTTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2835
2519 AGTGCATCTTCATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2578
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2896 TCAATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2955
2639 TCAATGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2698
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3136 CTAAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3195
2879 CTAAACAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2938
3196 AATAGAG 3255
2939 AATAGAG 2958
3256 CCCTTCTGAGACACTCATGATCCCTCTCTGTTCTTCTCTTCTCTCTCTCTCTCTCTCTCTCT 3315
2959 -----AGAGGCCCCGCTG 2972
3316 CCCACCCAGTGTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3375
2973 CCCACCCAGTGTCTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3032
3376 AAGGAG 3435
3033 AAGGAG 3092
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3093 ACTGAGCAACACTGATTCCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3152
3495 ACACTGAGCCCACTGCTGAGAGATCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3554
3153 ACACTGAGCCCACTGCTGAGAGATCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3212
3555 TTTCCTTGTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3614
3213 TTTCCTTGTGCTGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3272
3615 GAAACACTGAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3674
3273 GAAACACTGAGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3332
3675 CAGTCTTGTAGTAGAATCTCTAAGCCTATACGTTTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3734
3333 CAGTCTTGTAGTAGAATCTCTAAGCCTATACGTTTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3392
3735 GGGGAG 3794
3393 GGGGAG 3452
3795 CACATTGATTTTCTATATACCTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3854
3453 CACATTGATTTTCTATATACCTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 3512

QY 3855 TTTTACACTAATATATGACCTAGCTTGAGGCAATTTAATCCCTGACCTAGGAGGTA 3914
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Db 3513 TTTTACACTAATATATGACCTAGCTTGAGGCAATTTAATCCCTGACCTAGGAGGTA 3572
QY 3915 AATAATGAAGTGAAGTTCCTCCACCAAAAAAAAAAAAAA 3953
|||||
Db 3573 AATAATGAAGTGAAGTTCCTCCACCAAAAAAAAAAAAAA 3611

RESULT 5

US-08-445-461-3
Sequence 3, Application US/08445461
Patent No. 6096527
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 3637 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-461-3

Query Match 87.18; Score 3451; DB 3; Length 3637;
Best Local Similarity 97.08; Pred. No. 0;
Matches 3589; Conservative 0; Mismatches 5; Indels 105; Gaps 3;

QY 256 GTTGACTGTGAAGGATGCAAGATGCTGCCCCACCCCTTAGAGCCCGAGGATCAG 315
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Db 17 GTTGACTGTGAAGGATGCAAGATGCTGCCCCACCCCTTAGAGCCCGAGGATCAG 76
QY 316 GAGCTATGAGACGAGAGCCCTGTCTATCTTACTGTCTGTCTCTGTGGCAAGTGGAG 375
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Db 77 GAGCTATGAGACGAGAGCCCTGTCTATCTTACTGTCTGTCTCTGTGGCAAGTGGAG 136

QY 376 ATGCTGACATGAAGGACATTTTGATCCCTGCAAGTGGCCGTATGGCTGGGCAATGACAG 435
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Db 137 ATGCTGACATGAAGGACATTTTGATCCCTGCAAGTGGCCGTATGGCTGGGCAATGACAG 196
QY 436 ACCGACCAATCCCAAGACATGATCTGCTTCCAGCTCTGTCAGATTCAGATTCACATGCCG 495
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Db 197 ACCGACCAATCCCAAGACATGATCTGCTTCCAGCTCTGTCAGATTCAGATTCACATGCCG 256
QY 496 CCGGCAACAGAGGTTGGAGACATGACGAGGATGGGAGCTGTGTCGCGGCAAGGTCGG 555
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Db 257 CCGGCAACAGAGGTTGGAGACATGACGAGGATGGGAGCTGTGTCGCGGCAAGGTCGG 316
QY 556 TGTTCCTCAAGAGAGAGTACTTGACAGTGGATCTACACGATCCACCTGGTGGTCC 615
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Db 317 TGTTCCTCAAGAGAGAGTACTTGACAGTGGATCTACACGATCTGACCTGGTGGTCC 376
QY 616 TGTGGGCAACCCAGGAGGATGCGCGGAGCTGGGCAAGAGTTCTCCGAGATACC 675
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Db 377 TGTGGGCAACCCAGGAGGATGCGCGGAGCTGGGCAAGAGTTCTCCGAGATACC 436
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1576 TCATCGGCTGCTGTGGGCTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1635
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1397 GGGGCTGCACTGGCCAGGCTCTCTCAGAGGCTGAACGAGGAGGTTTGAAGAGAGC 1456
1696 TGACGTTACCT 1755
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1637 CTTAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1696
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1697 ACACCCAGGCTACAGTGGGAGCTATATGAGGCTGAGAAAGCCAGCCGCTGCTTCTG 1756
1996 CCCACCTCTCCAGAAACAGCGTCCCATTTATGCCAGGCTGACATTTGTTACCTCAGG 2055
1757 CCCACCTCTCCAGAAACAGCGTCCCATTTATGCCAGGCTGACATTTGTTACCTCAGG 1816
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2236 ATTTCCCTTAATGTGGTAAAGGACACCTTTGCTGCTGCTGCTGCTGCTGCTGCTG 2295
1997 ATTTCCCTTAATGTGGTAAAGGACACCTTTGCTGCTGCTGCTGCTGCTGCTGCTG 2056
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2399 TAGTGGGAGAAATTTACATCAATAATTCGACATTTGGCATGAGCCGAGACCTTATG 2458
2716 CTGGGAGCTATTTACCGGTGAGGAGCCGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2775
2459 CTGGGAGCTATTTACCGGTGAGGAGCCGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2518
2776 AGTGCATCTCATAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2835
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3316 CCCACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3375
2973 CCCACCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3032
3376 AAGGCTGGGAGAAATATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3435
3033 AAGGCTGGGAGAAATATGATGATGATGATGATGATGATGATGATGATGATGATGAT 3092
3436 ACTGACACACTGATTCCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3494
3093 ACTGACACACTGATTCCTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 3152
3495 ACACCTGAGCCCACTGCTGAGAAATCTGGGGGTGAGAGGAGCAAGAGAGGAGAGAAATG 3554
3153 ACACCTGAGCCCACTGCTGAGAAATCTGGGGGTGAGAGGAGCAAGAGAGGAGAGAAATG 3212
3555 TTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3614
3213 TTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3272
3615 GAAACACTGAGCCTGAGGAGTACCCGAGCCCTGAGCTGAGTACCCCACTTCCACCTG 3674
3273 GAAACACTGAGCCTGAGGAGTACCCGAGCCCTGAGTACCCCACTTCCACCTG 3332

QY 3675 CAGCTTGTAGCTAGACTTCTCTAAGCCCTAATACGTTTCTGTGAGTAAATATTGGATT 3734
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 Db 3333 CAGTCTTGTAGCTAGACTTCTCTAAGCCCTAATACGTTTCTGTGAGTAAATATTGGATT 3392
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 QY 3735 GGGGGGAAGAGGAGCAACGGCCCATAGCCTTGGGGTTGGACATCTCTAGTACTGTC 3794
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 Db 3393 GGGGGGAAGAGGAGCAACGGCCCATAGCCTTGGGGTTGGACATCTCTAGTACTGTC 3452
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 QY 3795 CACATTGATTTTCTAATATACCTTGGGGTTGTACATTTTGGGGGAGAGACACAGAT 3854
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 Db 3453 CACATTGATTTTCTAATATACCTTGGGGTTGTACATTTTGGGGGAGAGACACAGAT 3512
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 QY 3855 TTTTACCTAATATATGAGCACTTGTAGGCAATTTTAAATCCCTGACTAGGAGGTA 3914
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 Db 3513 TTTTACCTAATATATGAGCACTTGTAGGCAATTTTAAATCCCTGACTAGGAGGTA 3572
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 QY 3915 ATATTAAGGTGAGTTTCCACAAAAA 3953
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 Db 3573 ATATTAAGGTGAGTTTCCACAAAAA 3611
 |||||||

RESULT 6

US-08-445-640-7
 : Sequence 7, Application US/08445640
 : Patent No. 5709858
 : GENERAL INFORMATION:
 : APPLICANT: Godowski, Paul J.
 : APPLICANT: Mark, Melanie R.
 : APPLICANT: Scadden, David T.
 : APPLICANT: Baker, Kevin P.
 : APPLICANT: Baron, Will F.
 : TITLE OF INVENTION: Protein Tyrosine Kinases
 : NUMBER OF SEQUENCES: 35
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Genentech, Inc.
 : STREET: 460 Point San Bruno Blvd
 : CITY: South San Francisco
 : STATE: California
 : COUNTRY: USA
 : ZIP: 94080
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
 : OPERATING SYSTEM: PC-DOS/MS-DOS
 : SOFTWARE: Patin (Genentech)
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/445,640
 : FILING DATE: 22-MAY-1995
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/170558
 : FILING DATE: 20-DEC-1993
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: 08/157563
 : FILING DATE: 23-NOV-1993
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Hasak, Janet E.
 : REGISTRATION NUMBER: 28,616
 : REFERENCE/DOCKET NUMBER: 854C2
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: 415/225-1896
 : TELEFAX: 415/952-9881
 : TELEX: 910/371-7168
 : INFORMATION FOR SEQ ID NO: 7:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 1197 bases
 : TYPE: nucleic acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : US-08-445-640-7

Query Match 30.1%; Score 1192.2; DB 1; Length 1197;
 Best Local Similarity 99.7%; Pred. No. 1.3e-272;
 Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
 QY 375 GATGCTGACATGAAAGGACATTTTATCTCTGCAAGTGCCTGATGCCCTGGGCAATGAG 434
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 Db 1 GATGCTGACATGAAAGGACATTTTATCTCTGCAAGTGCCTGATGCCCTGGGCAATGAG 60
 |||||||
 QY 435 GACCGACCATCCCGAGAGTACATCTCTGTTCCAGTCTCTGTTGATCCATCCACTGCC 494
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 Db 61 GACCGACCATCCCGAGAGTACATCTCTGTTCCAGTCTCTGTTGATCCATCCACTGCC 120
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 QY 495 GCCCGCCACAGCAGGTTGGAGAGCAGTACGCGGGATGGGGCTGGTCCCGCAGAGTGC 554
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 Db 121 GCCCGCCACAGCAGGTTGGAGAGCAGTACGCGGGATGGGGCTGGTCCCGCAGAGTGC 180
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 QY 555 GTGTTTCCCAAGAGGAGAGTACTGTGAGAGTGTGATCTCAACAGACTCCACTGGTGGCT 614
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 Db 181 GTGTTTCCCAAGAGGAGAGTACTGTGAGAGTGTGATCTCAACAGACTCCACTGGTGGCT 240
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 QY 615 CTGTTGGGACCCAGGAGGAGCAGTCCCGGGGCTGGGCAAGAGATTCTCCGGAGCTAC 674
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 Db 241 CTGTTGGGACCCAGGAGGAGCAGTCCCGGGGCTGGGCAAGAGATTCTCCGGAGCTAC 300
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 QY 675 CGGCTGCGTTACTCCCGGATGCTGCGCTGATGGCTGGAGAGCCGCTGGGGTACG 734
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 Db 301 CGGCTGCGTTACTCCCGGATGCTGCGCTGATGGCTGGAGAGCCGCTGGGGTACG 360
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 QY 735 GAGTGATCTCAGCAATGAGAGACCTTACGAGAGTGTGTGTAAGAGACTTGGGCCCCC 794
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 Db 361 GAGTGATCTCAGCAATGAGAGACCTTACGAGAGTGTGTGTAAGAGACTTGGGCCCCC 420
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 QY 795 ATGTTGGCCGACTGTGCTTACCCCGGGGCTGACCGGGTATGATGATGTCTGTCTG 854
 |||||||
 Db 421 ATGTTGGCCGACTGTGCTTACCCCGGGGCTGACCGGGTATGATGATGTCTGTCTG 480
 |||||||
 QY 855 CGGTTAGAGCTATAGGCTGCTTGAAGGATGAGTCTGTCTTACACCGCCCTGTG 914
 |||||||
 Db 481 CGGTTAGAGCTATAGGCTGCTTGAAGGATGAGTCTGTCTTACACCGCCCTGTG 540
 |||||||
 QY 915 GGGCAGCAATATTTATTTGAGAGCCGTGTAACCAAGACTCCACTATGACGGAGAT 974
 |||||||
 Db 541 GGGCAGCAATATTTATTTGAGAGCCGTGTAACCAAGACTCCACTATGACGGAGAT 600
 |||||||
 QY 975 ACCGTGGGCGAGCTGACATGAGGGGTGAGGCCAGCTGGCAGATGATGAGTGGGGTGT 1034
 |||||||
 Db 601 ACCGTGGGCGAGCTGACATGAGGGGTGAGGCCAGCTGGCAGATGATGAGTGGGGTGT 660
 |||||||
 QY 1035 GATGACTTTAGGAAGAGTCAGAGAGCTGCGGGTCTGGCCAGGCTATGACTATGTGGATG 1094
 |||||||
 Db 661 GATGACTTTAGGAAGAGTCAGAGAGCTGCGGGTCTGGCCAGGCTATGACTATGTGGATG 720
 |||||||
 QY 1095 AGCAACACACACTTCTCCAGTGGCTATGTGAGATGAGATTGAGATTGACCGGCTGAG 1154
 |||||||
 Db 721 AGCAACACACACTTCTCCAGTGGCTATGTGAGATGAGATTGAGATTGACCGGCTGAG 780
 |||||||
 QY 1155 GCCTTCCAGGCTATGACAGTGCACGTGAACAACATGCACAGCTGGAGGCCGTGTGCT 1214
 |||||||
 Db 781 GCCTTCCAGGCTATGACAGTGCACGTGAACAACATGCACAGCTGGAGGCCGTGTGCT 840
 |||||||
 QY 1215 GGGGGGTGGAATGTGCTTCCGGGGTGGCCCTGTCATGAGTGGAGGGGAGCCCATG 1274
 |||||||
 Db 841 GGGGGGTGGAATGTGCTTCCGGGGTGGCCCTGTCATGAGTGGAGGGGAGCCCATG 900
 |||||||
 QY 1275 CGCCACAACCTAGAGGGGGAACCTGGGGGACCCAGAGCCCGGGCTGTCTAGTGCCTT 1334
 |||||||
 Db 901 CGCCACAACCTAGAGGGGGAACCTGGGGGACCCAGAGCCCGGGCTGTCTAGTGCCTT 960
 |||||||
 QY 1335 GGGGGCGTGTGGCTGCTTCTGACAGTGCCTTCTTGGGGGCGCTGTGTTACT 1394
 |||||||
 Db 961 GGGGGCGTGTGGCTGCTTCTGACAGTGCCTTCTTGGGGGCGCTGTGTTACT 1020
 |||||||
 QY 1395 TTCAAGCAATCTCCTTCATCTGTGATGTGTGAACAATTCCTCTCCGGCACTGGAGGC 1454
 |||||||

DB 1021 TTACAGGAATCTCTTATCTGTATGTGTAACAATTCCTCTCGGACATGGAGGC 1080
1455 ACCTTCCCGCAGAGCCCGCTGTGGCCGCTGGCCACCTCCCAACTTCAGACGTTG 1514
DB 1081 ACCTTCCCGCAGAGCCCGCTGTGGCCGCTGGCCACCTCCCAACTTCAGACGTTG 1140
QY 1515 GAGCTGGAGCCCAAGAGCCAGACCCGCTGTGGCCCAAGAGGAGGAGCCCGACCGCC 1571
DB 1141 GAGCTGGAGCCCAAGAGCCAGACCCGCTGTGGCCCAAGAGGAGGAGCCCGACCGCC 1197

RESULT 7
US-08-170-558-7
Sequence 7, Application US/08170558
Patent No. 6001621
GENERAL INFORMATION:
APPLICANT: Godowski, Paul J.
APPLICANT: Mark, Melanie R.
APPLICANT: Scadden, David T.
APPLICANT: Baker, Kevin P.
APPLICANT: Baron, Will F.
TITLE OF INVENTION: Protein Tyrosine Kinases
NUMBER OF SEQUENCES: 35
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08-170, 558
FILING DATE: 20-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28, 616
REFERENCE/DOCKET NUMBER: 854C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/952-9881
TELEFAX: 415/371-7168
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-170-558-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.3e-272;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATCTGACATGAGGAGCATTTTGTATCTCCCAAGTCCGCTATGCCCTGGCATGAG 434
DB 1 GATCTGACATGAGGAGCATTTTGTATCTCCCAAGTCCGCTATGCCCTGGCATGAG 60
QY 435 GACCGAGCATCCGAGACAGTACATCTCTGCTTCCAGCTCCTGCTGATTCACATGCC 494
DB 61 GACCGAGCATCCGAGACAGTACATCTCTGCTTCCAGCTCCTGCTGATTCACATGCC 120
QY 495 GCCCGCCACAGACAGGTTGAGAGCAGTACGCGGAGTGGGCTGTGCCCCGACAGGTCG 554

DB 121 GCCCGCCACAGCAGGTTGGAGACAGTACGGGGAATGGGGCTGTGTGCCCCGAGGTCG 180
QY 555 GTGTTTCCCAAGAGAGAGAGTACTTTCAGAGTGGATCTTACACAGACTCCACCTGGAGCT 614
DB 181 GTGTTTCCCAAGAGAGAGAGTACTTTCAGAGTGGATCTTACACAGACTCCACCTGGAGCT 240
QY 615 CTGTGGGACCCAGAGGACGGCATGCCGGGGGCTGGGCAAGAGATTCTCCGAGACTAC 674
DB 241 CTGTGGGACCCAGAGGACGGCATGCCGGGGGCTGGGCAAGAGATTCTCCGAGACTAC 300
QY 675 CGGCTGGTACTCCCGGAAATGGTCCCGCTGGATGGGCTGGGAAGACCGCTGGGTCAG 734
DB 301 CGGCTGGTACTCCCGGAAATGGTCCCGCTGGATGGGCTGGGAAGACCGCTGGGTCAG 360
QY 735 GAGGTATCTCAGGACATGAGACCCCTGAGAGAGTGTGCTGAAGACCTTGGGCCCCC 794
DB 361 GAGGTATCTCAGGACATGAGACCCCTGAGAGAGTGTGCTGAAGACCTTGGGCCCCC 420
QY 795 ATGCTTCCCGAGCTGTGCTTCTACCCCGGGCTGACCGGGTCAATGATGTCTGTG 854
DB 421 ATGCTTCCCGAGCTGTGCTTCTACCCCGGGCTGACCGGGTCAATGATGTCTGTG 480
QY 855 CGGCTGAGCTCATGAGCTGCTGCTGTGAGGAGATGACTCTGTCTTACACCGCCCTGTG 914
DB 481 CGGCTGAGCTCATGAGCTGCTGCTGTGAGGAGATGACTCTGTCTTACACCGCCCTGTG 540
QY 915 GGGCAGACATGATTTATCTGAGCGCGGTACCTCAAGACATCCACTATGACGACAT 974
DB 541 GGGCAGACATGATTTATCTGAGCGCGGTACCTCAAGACATCCACTATGACGACAT 600
QY 975 ACCGTGGCGGAGCTGACGATGAGGGGCTGTGGCCAGCTGCAAGATGTGTGGGGCTG 1034
DB 601 ACCGTGGCGGAGCTGACGATGAGGGGCTGTGGCCAGCTGCAAGATGTGTGGGGCTG 660
QY 1035 GATGACTTAGGAAGAGTACAGAGCTGGGGGCTGGCCAGGCTATGACTATGTGGATG 1094
DB 661 GATGACTTAGGAAGAGTACAGAGCTGGGGGCTGGCCAGGCTATGACTATGTGGATG 720
QY 1095 AGCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGATTTGAGTTGACCGGCTGAG 1154
DB 721 AGCAACACAGCTTCTCCAGTGGCTATGTGAGATGAGATTTGAGTTGACCGGCTGAG 780
QY 1155 GCCTTCCAGGCTATGACAGTCCACTGTAAACAATGACACACGCTGGAGCCGCTGCT 1214
DB 781 GCCTTCCAGGCTATGACAGTCCACTGTAAACAATGACACACGCTGGAGCCGCTGCT 840
QY 1215 GCGGGGAGGATGTGCGCTTCCGGGGTGGCCCTGGCATGGCTGGAGAGGGAGCCCATG 1274
DB 841 GCGGGGAGGATGTGCGCTTCCGGGGTGGCCCTGGCATGGCTGGAGAGGGAGCCCATG 900
QY 1275 CGCCACAACCTAGGGGGGCAACTGGGGGACCCCAAGAGCCGGGCTGTCTCAATGGCCCTT 1334
DB 901 CGCCACAACCTAGGGGGGCAACTGGGGGACCCCAAGAGCCGGGCTGTCTCAATGGCCCTT 960
QY 1335 GCGGCGCTGTGTGCTGCTTCTGCAATGCGCTTCTCTTGTGGGGGCGCTGTACTC 1394
DB 961 GCGGCGCTGTGTGCTGCTTCTGCAATGCGCTTCTCTTGTGGGGGCGCTGTACTC 1020
QY 1395 TTCAGGAAATCTCTTATCTGTATGTGGAACAATTCCTTCCCGCACTGGGAGGC 1454
DB 1021 TTCAGGAAATCTCTTATCTGTATGTGGAACAATTCCTTCCCGCACTGGGAGGC 1080
QY 1455 ACCTTCCCGCAGAGCCCGCTGTGGCCGCTGGCCACCTCCCAACTTCAGACGTTG 1514
DB 1081 ACCTTCCCGCAGAGCCCGCTGTGGCCGCTGGCCACCTCCCAACTTCAGACGTTG 1140
QY 1515 GAGCTGGAGCCCAAGAGGACAGCCCGCTGGCCAAAGGCGGAGGAGCCGACCGCC 1571
DB 1141 GAGCTGGAGCCCAAGAGGACAGCCCGCTGGCCAAAGGCGGAGGAGCCGACCGCC 1197

RESULT 8

US-08-447-314-7
; Sequence 7, Application US/08447314
; Patent No. 6087144
; GENERAL INFORMATION:
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 kb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Palin (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,314
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/170558
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/157563
; FILING DATE: 23-NOV-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: 854C1D2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415/225-1896
; TELEFAX: 415/952-9881
; TELEX: 910/371-7168
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1197 bases
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-447-314-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.3e-272;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAGGACATTTGATCTGCTGCCAAGTGCCTGATGCGCGGATGCGATCAG 434
|||
DB 1 GATGCTGACATGAGGACATTTGATCTGCTGCCAAGTGCCTGATGCGCGGATGCGATCAG 60
QY 435 GACCGGACATCCAGACAGTACATCTGCTTCCAGCTCTGCTGATGATGATTCACATGCC 494
|||
DB 61 GACCGGACATCCAGACAGTACATCTGCTTCCAGCTCTGCTGATGATGATTCACATGCC 120
QY 495 GCCCGCCACAGCAGAGTGGAGAGAGTACGAGGGGATGGGGCTGGTCCCGCCAGGGGTGC 554
|||
DB 121 GCCCGCCACAGCAGAGTGGAGAGAGTACGAGGGGATGGGGCTGGTCCCGCCAGGGGTGC 180
QY 555 GTGTTTCCAGAGAGAGTACTTGCAGTGGATCTACAGAGCTCCAGCTGGTGGCT 614
|||
DB 181 GTGTTTCCAGAGAGAGTACTTGCAGTGGATCTACAGAGCTCCAGCTGGTGGCT 240
QY 615 CTGCTGGGCAACCCAGGAGCGCATGCCGGGGCTGGGCAAGAGTTCTCCCGAGAGTAC 674
|||
DB 241 CTGCTGGGCAACCCAGGAGCGCATGCCGGGGCTGGGCAAGAGTTCTCCCGAGAGTAC 300
QY 675 CGGCTGGCTTACCTCCCGGAGTGGTCCCGGCTGGATGGGCTGGAAGACCCCTGGGGTAC 734

|||||
DB 301 CGGCTGCTTACTCCCGGATGTCGCGCTGATGAGGATGGAAGACCGCTGGGGTAC 360
QY 735 GAGGTGATCTCAGCAATGAGAGACCTGAGGAGTGGTGTGAAGACACTTGGGCCCCC 794
DB 361 GAGGTGATCTCAGCAATGAGAGACCTGAGGAGTGGTGTGAAGACACTTGGGCCCCC 420
QY 795 ATGTTGCCGACATGTTGCTTCTACCCCGGGCTGACGGGTCATGATGTCGTCTG 854
DB 421 ATGTTGCCGACATGTTGCTTCTACCCCGGGCTGACGGGTCATGATGTCGTCTG 480
QY 855 CGGCTAGAGCTCTATGCTGCTCTGAGGAGATGAGATCTGTCTTACACCGCCCTGTG 914
DB 481 CGGCTAGAGCTCTATGCTGCTCTGAGGAGATGAGATCTGTCTTACACCGCCCTGTG 540
QY 915 GGGCAGACATGATTTATCTGAGCGCGTGTACTCAACGACTCCACTATGAGGAGAT 974
DB 541 GGGCAGACATGATTTATCTGAGCGCGTGTACTCAACGACTCCACTATGAGGAGAT 600
QY 975 ACCGTGGCGGACATGACATGATGGGGTCTGGGCCAGCTGGCAGATGGTGTGGGGCTG 1034
DB 601 ACCGTGGCGGACATGACATGATGGGGTCTGGGCCAGCTGGCAGATGGTGTGGGGCTG 660
QY 1035 GATGACTTTAGGAAGAGTACAGAGCTGCGGGTCTGGCCAGGCTATGACTATGGGATG 1094
DB 661 GATGACTTTAGGAAGAGTACAGAGCTGCGGGTCTGGCCAGGCTATGACTATGGGATG 720
QY 1095 AGCAACACACACTTCTCCAGTGGCTATGTAGATGAGATGAGATTGATGACCGGCTAG 1154
DB 721 AGCAACACACACTTCTCCAGTGGCTATGTAGATGAGATGAGATTGATGACCGGCTAG 780
QY 1155 GCCTTCCAGGCTATGACAGTGCCTGTATACAAATGACACAGCTGGGAGCCGCTGTGCT 1214
DB 781 GCCTTCCAGGCTATGACAGTGCCTGTATACAAATGACACAGCTGGGAGCCGCTGTGCT 840
QY 1215 GCGCGGTGATGTGCTTCCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCG 1274
DB 841 GCGCGGTGATGTGCTTCCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 900
QY 1275 CGCCACACACTGAGGGGCAACCTGGGGGACCCGAGAGCCGCGGCTGTCACTGCTGCT 1334
DB 901 CGCCACACACTGAGGGGCAACCTGGGGGACCCGAGAGCCGCGGCTGTCACTGCTGCT 960
QY 1335 GCGCGGTGATGTGCTTCCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCG 1394
DB 961 GCGCGGTGATGTGCTTCCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCTGCGCT 1020
QY 1395 TTCAAGCAATCTCTTCATCTCTGATGTGATGTAACAATTCCTTCCGGCACTGGAGGC 1454
DB 1021 TTCAAGCAATCTCTTCATCTCTGATGTGATGTAACAATTCCTTCCGGCACTGGAGGC 1080
QY 1455 ACCTTCCCGGACGCGCTTGTGGGCGGCTGGGCGGCTGGGCGGCTGGGCGGCTGG 1514
DB 1081 ACCTTCCCGGACGCGCTTGTGGGCGGCTGGGCGGCTGGGCGGCTGGGCGGCTGG 1140
QY 1515 GAGCTGAGGCCAGAGGCCAGACGCCGTGGCCAAAGGCCGAGGGAGCCGACCGCC 1571
DB 1141 GAGCTGAGGCCAGAGGCCAGACGCCGTGGCCAAAGGCCGAGGGAGCCGACCGCC 1197

RESULT 9
US-08-445-461-7
; Sequence 7, Application US/08445461
; Patent No. 6096527
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Scadden, David T.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Baron, Will F.
; TITLE OF INVENTION: Protein Tyrosine Kinases
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/445,461
FILING DATE: 22-MAY-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/1/0558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: 854C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-1896
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ. ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1197 bases
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-445-461-7

Query Match 30.1%; Score 1192.2; DB 3; Length 1197;
Best Local Similarity 99.7%; Pred. No. 1.3e-272;
Matches 1194; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 375 GATGCTGACATGAAGGACATTTGATCTGCGCAAGTGGCGGTATCCCTGGGCGATGACAG 434
DB 1 GATGCTGACATGAAGGACATTTGATCTGCGCAAGTGGCGGTATCCCTGGGCGATGACAG 60
QY 435 GACCGGACCATCCGACAGTGAATCTGCTTCCAGCTCTGTCAGATTCCATGCGC 494
DB 61 GACCGGACCATCCGACAGTGAATCTGCTTCCAGCTCTGTCAGATTCCATGCGC 120
QY 495 GCCCGCACAGGAGTTGAGAGCAATGACGGGATGGGGCCGTGGCCCGGAGGGTGC 554
DB 121 GCCCGCACAGGAGTTGAGAGCAATGACGGGATGGGGCCGTGGCCCGGAGGGTGC 180
QY 555 GTGTTTCCCAAGAGAGAGTACTTTCAGAGTGATCTCAACAGACTTCCACTGTGGCT 614
DB 181 GTGTTTCCCAAGAGAGAGTACTTTCAGAGTGATCTCAACAGACTTCCACTGTGGCT 240
QY 615 CTGCTGGGACACCGAGGAGCGCATGCGGGGGGCTGGGCAAGAGATTCTCCCGGAGCTAC 674
DB 241 CTGCTGGGACACCGAGGAGCGCATGCGGGGGGCTGGGCAAGAGATTCTCCCGGAGCTAC 300
QY 675 CGGCTGCGTTACTCCCGGGATGGTGGCGGCTGGATGGGCTGGAAGAGCCGCTGGGTACG 734
DB 301 CGGCTGCGTTACTCCCGGGATGGTGGCGGCTGGATGGGCTGGAAGAGCCGCTGGGTACG 360
QY 735 GAGGTGATCTCAGCAATGAGACCTTGAGAGAGTGTGCTGAAGACCTTGGGCCCCC 794
DB 361 GAGGTGATCTCAGCAATGAGACCTTGAGAGAGTGTGCTGAAGACCTTGGGCCCCC 420
QY 795 ATGTTGGCCGACTGCTTCTTCAACCCCGGGCTGACCGGGCTCATGATGCTGTCTG 854
DB 421 ATGTTGGCCGACTGCTTCTTCAACCCCGGGCTGACCGGGCTCATGATGCTGTCTG 480

QY 855 CGGCTAGAGCTCTATGCTGCTCTGAGAGGATGAGACTCTGTCTTACACCCGCCCTGTG 914
DB 481 CGGCTAGAGCTCTATGCTGCTCTGAGAGGATGAGACTCTGTCTTACACCCGCCCTGTG 540
QY 915 GGGCAGCAATGATTTATCTGAGGCGGTGACCTCAAGACCTCAACCTTACAGGACAT 974
DB 541 GGGCAGCAATGATTTATCTGAGGCGGTGACCTCAAGACCTCAACCTTACAGGACAT 600
QY 975 ACCGTGGCGGACTGAGTATGGGGGTCTGGGCGCAGCTGAGATGATGTGTGGGGCTG 1034
DB 601 ACCGTGGCGGACTGAGTATGGGGGTCTGGGCGCAGCTGAGATGATGTGTGGGGCTG 660
QY 1035 GATGACTTTAGAAAGACTCAGAGACTGCGGGTCTGGCCAGGCTATGATGTGGATGG 1094
DB 661 GATGACTTTAGAAAGACTCAGAGACTGCGGGTCTGGCCAGGCTATGATGTGGATGG 720
QY 1095 AGCAACACAGCTCTCAGTGGGCTATGAGAGTGAAGTTGATTTGACCGGCTGAGG 1154
DB 721 AGCAACACAGCTCTCAGTGGGCTATGAGAGTGAAGTTGATTTGACCGGCTGAGG 780
QY 1155 GCTTCCAGGCTATGACAGTGCACATGTACACATGACAGCTGGAGCCGCTGCTCT 1214
DB 781 GCTTCCAGGCTATGACAGTGCACATGTACACATGACAGCTGGAGCCGCTGCTCT 840
QY 1215 GCGGGGTGGAATGTGCTTCCGGCGTGGCCCTGACATGGCTGGGAGGGAGCCCATG 1274
DB 841 GCGGGGTGGAATGTGCTTCCGGCGTGGCCCTGACATGGCTGGGAGGGAGCCCATG 900
QY 1275 CGCCACACACTAGGGGGGCAACTGAGGGAGACCCAGAGCCCGGAGTGTCAAGTCCCT 1334
DB 901 CGCCACACACTAGGGGGGCAACTGAGGGAGACCCAGAGCCCGGAGTGTCAAGTCCCT 960
QY 1335 GCGGGCGGTGTGCTGCTTCTGACATGCGGCTTCTTCTTGGGGGCGCTGTACTC 1394
DB 961 GCGGGCGGTGTGCTGCTTCTGACATGCGGCTTCTTCTTGGGGGCGCTGTACTC 1020
QY 1395 TTGACGCAATCTTCCTTCACTCTGATGTGTGTGAACATTTCTCTCGGAGCTGGAGGC 1454
DB 1021 TTGACGCAATCTTCCTTCACTCTGATGTGTGTGAACATTTCTCTCGGAGCTGGAGGC 1080
QY 1455 ACCTTCCCGCAGCCCTCTGTTGGGCGCTGGGCGCAGCTCCGCAACCTTACAGAGTTG 1514
DB 1081 ACCTTCCCGCAGCCCTCTGTTGGGCGCTGGGCGCAGCTCCGCAACCTTACAGAGTTG 1140
QY 1515 GACCTGAGCCAGAGGCGCAGAGCCCGTGTGGCCAGAGGCGGAGCCGAGCCGCC 1571
DB 1141 GACCTGAGCCAGAGGCGCAGAGCCCGTGTGGCCAGAGGCGGAGCCGAGCCGCC 1197
RESULT 10
US-08-336-343A-3
Sequence 3, Application US/08336343A
Patent No. 5677144
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
TITLE OF INVENTION: CCR-2, A No. 5677144el Receptor Tyrosine Kinase
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Penile & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/336,343A

1985 CAGTGGCTGCGCCGACCATGAGACCTGCTCAGAGAAAAGATGCGCTGTGGAGAGTCC 2044
 2137 CTGAGTCTGAGACGCGCTTCAAGAGAGCTTGGCCAGGCGCAGTTTGGGAGAGTGCACC 2196
 2045 CCGAGAACTCCCTACCTTTCAGAAAGAGTGGAGAGAGAGTGGGAGAGTTCATC 2104
 2197 TGTGTAGGTGACAGACCTCTCAAGATCTGGTCACTGTGATTTCCCGCTTAAGTGGTA 2256
 2105 TCTGTGAATGAGGAGAAATGAGAAAATTCAGAAAGATTTTGGCTTGAATGTAGT 2164
 2257 AGGAGACCCCTTGTCTGTAGTGTCAAGATCTTACAGCCAGATGCGCAGCAAGATGCCA 2216
 2165 CCAACCGAGCTGCTGCGGTGGCTGAAAATGCTCCGAGAGATGCGCAACAGAAAG --- 2221
 2317 GCTTCTCTTGTCTCCAGAAATGATTTCTCTGAAAAGGTGAAGATCATGTGAGGCTCA 2376
 2222 -----CCAGAAATGATTTCTTAAGAGATTAAGATCATGTCTCGGCTCA 2266
 2377 AGGACCCCAACATCATCTGCTGCTGGGCTGTGTGTGAGAGAGACCCCTCTGATGA 2436
 2267 AGGACCCCAACATCATCTATTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2326
 2437 TTACTGACTACATGAGAAAGGCGAGCTCAACCATTTCTCACTGCTGCTGCTGCTGCTG 2496
 2327 TCATGAAATACATGAGATGAGATGAGATCTCAATCAGTTTCTTCCCGCCAGAGCCCTCA 2386
 2497 ACAAGGACCCAGAGGCGGCGCTGGGAGAGGCGGAGCTGCGCAGGCGCCCATCATGACT 2556
 2387 ATTCTTCTCTCAGCG-----ATGTACCCACTGTGAGT 2419
 2557 ACCCAATGCTGTGATGAGGAGCGCAGATGCGCTCCGAGATGCGCTCTGCTGCTGCTGCTG 2616
 2420 ACACCAATCTGAAATGATTTAGTGTACCCAAATGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2479
 2617 TCACATTTGTATGAGGAGGAGCTGCGCAGCGAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2676
 2480 TTAATTTTGTGTACCGAGATGTGGCGACACGAAAGCTGTGTAGTGGTAAAGTACACAA 2539
 2677 TCAAAATGCGAGACTTTGGAGATGAGCCGAGACCTCTATGCTGGGAGCTATTAACCTGTGCT 2736
 2540 TCACATGCTGAGCTTTTGGAAATGAGCAGAGACCTGTACAGTGTGTATTAACCGGATCC 2599
 2737 AGGCGCGGAGAGTGTGCGCATCGCTGGATGCGCTGGAGAGAGCTCCATCAGGAGAAAT 2796
 2600 AGGCGCGGAGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2659
 2797 TCACAGCTGCGAGTACGTGTGGGCTTTGTGTGTGAGACCTGTGGAGAGTGTGATGCTCT 2856
 2660 TCACATACAGCAAGTGTGTGGGCTTTGGGCTTACTTTGTGGAGACTTTCACCTTT 2719
 2857 GTAGGCGGAGAGCTTTTGGGAGCTGTACCGAGAGAGAGTCTATCAGAAAGCGGGGAGT 2916
 2720 GTCAAGAACAGCTTATTCAGAGCTGTGAGTGAACAGTATTAAGATATCTGAGAGT 2779
 2917 TCTTCCGAGAGAGGCGCGAGGTGTACTGTCTCCGCGCGCTGCTGCGCGCGAGGCGC 2976
 2780 TCTTCCGAGAGAGGAGGAGAGAGTGTACTGTCTCCGCGCGCTGCTGCGCGCGAGGCGC 2839
 2977 TATATGAGCTATGCTGTGCTGTGAGACCGGAGTCTGAGAGAGGAGACACCTTTTCC 3036
 2840 TGTATTAAGCTGATGTCTGCTGTGAGAGAGATAGAGAAACGCTCCATTTCAAG 2899
 3037 AGTGCATCGGTCT 3052
 2900 AAATCCACTTCTGCT 2915

RESULT 11
 US-08-336-343A-5/C
 ; Sequence 5' Application US/08336343A
 ; Patent No. 5677144
 ; GENERAL INFORMATION:

APPLICANT: Ulrich, Axel
 TITLE OF INVENTION: CCR-2, A No. 5677144el Receptor Tyrosine Kinase
 NUMBER OF SEQUENCES: 43
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Penile & Edmonds
 STREET: 1155 Avenue of the Americas
 CITY: New York
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 10036-2711
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/336,343A
 FILING DATE: 08-NOV-1994
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Coruzzi, Laura A.
 REGISTRATION NUMBER: 30,742
 REFERENCE/DOCKET NUMBER: 7683-065
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212) 790-9090
 TELEFAX: (212) 869-9741/8864
 TELEX: 66141 PENNIE
 INFORMATION FOR SEQ ID NO: 5:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3157 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: unknown
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 US-08-336-343A-5

Query Match 16.28; Score 642; DB 1; Length 3157;
 Best Local Similarity 56.58; Pred. No. 2.1e-142;
 Matches 1534; Conservative 0; Mismatches 975; Indels 207; Gaps 10;
 349 TCGTGTGCTCTTGTGTGAGAGTGTGAGATGCTGATGAGAGGAGATTTGATCTGCA 408
 2763 TGTGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2704
 409 AGTGGCGGATATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 468
 2703 TATGCGGCTATCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2644
 469 CCAGCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 528
 2643 CCAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2584
 529 ATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 585
 2583 ATGAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2524
 586 TGGATCTCAACAGATCCACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 645
 2523 TTGACTTGCACACCTCCATTTTATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2464
 646 GCTTGGCAAGAGTCTCCCGGAGCTACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 705
 2463 GTCATGCGATGAGATTTTCCCGCATGTACAAAGATCAATTAAGTGGAGTGGAGTGGAGTGG 2404
 706 GATGCGCTGGAAGAGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 765
 2403 GGATCTTGTGGCGGAAACGCTGATGAGGAAAGAGTGTGATGAGAAATAGTAAACCCCTATG 2344
 766 GATGCTGCTGAAGAGCTTGGGCGCCCGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 825

Db 2343 AACTTTTCCATAAGGAGCTTGGAGCCGCCCATTTGTAGCCAGATTTGTCGGTTTCATTCCAG 2284
QY 826 GGGCTACCCGGGATGATGATGCTGTCTGCGGGTAGAGCTATAGCTGCTCTGGAGAG 885
Db 2283 TCACCGACCACTCCATGATGATGCTGTATAGATGAGAGCTTTACGGCTGTCTGTGGCTAG 2224
QY 886 ATGAGACTCTGTCTTACACGCCGCCCTGTGGGGCAGACAATGATTTATCTGAGG----- 939
Db 2223 ATGGCTTGTGTCTTACATAGCTCCAGCTGGGAGCAGTTTGTACTCCCTGGAGGTTCGA 2164
QY 940 CCGTGTACTCAACGACTCCACTATGAGAGGACATACCGTGGGGGAGCTGACATATGGGG 999
Db 2163 TCATTTATCTGATGATTTCTGTATGATGAGAGCTGTTGATACAGCATGAGACAGAGG- 2103
QY 1000 GTCTGGGCCAGCTGGCAGATGATGTTGGGGCTGGATGACTTTTGGAGAGTCCAGGAGC 1059
Db 2104 --CTAGGCCAATTTGACCGATGGTGTGTCTGGCTGGACGATTTTACCCAGACCATGAAAT 2047
QY 1060 TGGGGCTTGGCCAGGCTATGACTATGTGGATGAGACAACCAAGCTTCTCCAGTGCT 1119
Db 2046 ACCACGCTTGGCCCGGCTATGACTATGTGGCTGGGGAGAGAGAGTGCACCAATGGCT 1987
QY 1120 ATGTGAGATGAGATTTGATTTGATGACCGGCTGAGGGCTTCCAGGCTATGACAGTCCACT 1179
Db 1986 ACATGAGATGATGATTTGATTTGATGACCGGCTGAGAGATTTCACTACCATGAGAGGCTCCT 1927
QY 1180 GTATACATATGACACAGCTGAGGAGCCGCTGCTGCGGGGGTGGATGCTGCTCCGGC 1239
Db 1926 GGAACAACATGTTGTGTAAGGTGTAAGATCTTTAAGAGGTACAGTCTCTTCCGCT 1867
QY 1240 GTGGCCCTCCCTATGGCTTGGAGGGGAGCCCATGCGCCACAACCTAGGGGGCAACCTGG 1299
Db 1866 CTG---AAGCCAGTGTGGAGAACTAATGCCATTTCTCCCTTGTGCTGTGATGAG 1810
QY 1300 GGGACCCAGAGCCGGGGCTGTCTAGTGGCCCTGGGGGGGGTGGTGGCTTCTTCC 1359
Db 1809 TCACCCCGAGTGTGGTGTGTCTAGCGGTCTCTCCACACGGAATGGCCATGCTCCATCA 1750
QY 1360 AGTGGCTTCTCTTGGGGGGCCCTGTACTCTTACGCAAAATCTCTCATCTCTG 1419
Db 1749 AGTGTCAATACCATTTTGGAGATACCTGATGTGTGATGATGATGATGATGATGATGATG 1690
QY 1420 ATGTGTGACAATTCCTCTCCGGCACTGGGAGGACCTTCCCGCCAGCCCTTGGTGGC 1479
Db 1689 ATGTGTCAATGTACAAACCTGTGAAGCCCTGCGACCTCTCTCTA----- 1643
QY 1480 CGCTGGCCCACTCCCAACACTTCAGCAGCTTGGAGCTGGAGCCAGAGGCCAGCAGC 1539
Db 1644 -----TGGCACCCCAACCTATGATC 1624
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Db 1623 CATGCTTAAAGTTGATGACAGCAACACTCGGATCTGATTTGGCTTGGTGGGCACTCA 1564
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Db 993 CCACACGCTCTCTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 935
QY 2317 GCTTCTCTTGTCTGCAAGATGATTTCTGAAAGAGTGAAGATCATGTGAGGCTCA 2376
Db 936 -----CAAGGATGATTTCTTAAGAGATAAAGATCATGTCTGCTGCTGCTG 892
QY 2377 AAGACCCCAACATCATTTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2436
Db 891 AAGACCCCAACATCATTTGATGATGATGATGATGATGATGATGATGATGATGATGATG 832
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Db 831 TCAGTGAATACATGAGAGATGAGAGATCTCAACAGTTTCTTCCCGCCAGAGCCCTCA 772
QY 2497 ACAAGGACCCGAGGGGGCCCTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2556
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QY 2677 TCAAAATGCAAGCTTTGGCATGAGCCGGAACCTTATGCTGTGGGACTATTAACGCTGTC 2736
Db 618 TCAGATAGTGAATTTGGAATGAGCAGAGAACTGTACAGTGTGATGATGATGATGATGATG 559
QY 2737 AAGGGGGGAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2796
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Db 498 TCACAGCTGAGTGAATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 439
QY 2857 GTAGGGCCAGCCCTTTGGGAGCTCACGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 2916
Db 438 GTCAAGAAACAGCCCTATTCAGAGCTGTGATGAGAAAGATGATGATGATGATGATGAGT 379
QY 2917 TCTTCCGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 2976
Db 378 TCTTCCGAGACCAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 319

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; IMMEDIATE SOURCE:
; CLONE: Tyro-10
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; FEATURE:
; NAME/KEY: CDS
; LOCATION: 485..3047
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US-08-237-401A-19

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Query Match	16.1%;	Score 639.8;	DB 2;	Length 3120;
Best Local Similarity	56.5%;	Pred. NO. 6.9e-142;		
Matches 1552; Conservative	0;	Mismatches 987;	Indels 210;	Gaps 11;

OY	348	CGCTGCTGCTCTTGGTGGCAAGTGGAGATGCTGACATGAAAGGACATTTTGAATCTCTGGC	407
Db	509	CTGGGTGCTCTCTGCTCTTCTCTATCTCTGGTTCTGCAAAACCTCAAGGTTAATCTAGCCG	568
OY	408	AAGTCCCGCTATGCCCTGGGCATCCAGAGCCGAGCCATCCCAACAGTGCATCTCTGCT	467
Db	569	ATATCCCGCTATCCCTCTGGGGCATGTACAGAGGCCAATCTTCCAAATAGGACATACAGCC	628
OY	468	TCACACTCTCTGTACAGATTCTCACTGCCCCGCCACACAGAGTTGAGAGACAGTACGG	527
Db	629	TCAAATCAGTGGTCAAGATCCACACGGCTGCCAAATATGGGAGCGCTGCACTCTGAAGAAGA	688
OY	528	GATGGGGCTGTGGTCCCCCGCAGAGGTGGTGGTCTTTCCCAAGA---GGAGAGTACTTTGCAG	584
Db	689	GATGAGGCTGTGGTCTCTGAGATTCCAGTGCACACCCGATGACCTGGAAGAAATTTCTGCAG	748
OY	585	GTCGATCTACACACACTCCACTGTGTGGCTCTGTGGGACCCACAGGAGCGGATGCGCGG	644
Db	749	ATTGACTTGGCAACCCCTACATTATCACTCTTGTGGGACCCAGGGGCGCATGCAAGG	808
OY	645	GGCCTGGGCAAGAGATTCTCCCGAGCTACCGGCTGCTTACTCCCGGATGATGTCGCCG	704
Db	809	GGTATGCGCATTTGAATTTGGACCCATGTACAAATCACTACAGTGGGATGGCAGTGC	868
OY	705	TGGATGGGCTGGAAAGAACCCCTGGGGCTCAGAGGTGATCTCAGGCATATAGAACCTTGAG	764
Db	869	TGGATCTCTCCCTGCTTAACCCGATGGAGAACAGGTCTGTATGAGAAACGTAAACCTTAT	928
OY	765	GGAGTGGTGTGGAAGGACCTTTGGGCCCCCATGGTTGCCGCACTGGTTGCTTACCCC	824
Db	929	GATGATTTCCGGAAGGACTTGGAGCCACCATGCTGTGCCAGATTGTTCCTTATCCA	988
OY	825	CGGGCTACCGGGCTCATGAGTGTCTGTCTGGCGGGTAGACCTGTATGCTGCCTCTGAG	884
Db	989	GTCACCTGACCACTCCATGAAGACGTGTGCATGAGGGTTGACCTTATGTTGTGTCTGGCTA	1048
OY	885	GATGAGCACCCGTGCTTACCGGCCCTCTGGGGCACAACATGATTTATCTAGG-----	939
Db	1049	GATGGCTTGGATCTCTCAATGCTCCACGTGGACACAGTTGTACTCCTCCAGAGCTTC	1108
OY	940	-CCGTGATCCTAACGACACTCACCTATGAGCGGCAATACGCTGGGGAGCTGCAATGAGG	998
Db	1109	ATCATTTATCTGAATGATTTCTGTCTATGATGAGAGCTTTGGGTACAGCATGACTGAAGG	1168
OY	999	GGTCTGGGCCAGCTGGCAGATGGTGTGGTGGGGCTGATGACTTTAGAAAGATCAGAG	1058
Db	1169	---CTAGGCCAGTTGACTGATGAGATGATCCGGCTGAGATTTTACCAGACCATATA	1225
OY	1059	CTGGGGGTCTGGCCAGGCTATGACTATGTGGATGGAGCAACACACGCTTCTCCAGTGGC	1118
Db	1226	TACACAGTGGGCTGGCTTGTGACTCTGCTGGGTGGCGAAGAAAGTGTACCAACGCT	1285
OY	1119	TATGTGAGATGAGATTGATTTGAGTTCACCGCTGAGGGCCTTCCAGGCTATGAGGTCCAC	1178
Db	1286	TTCACTTAGATCATGTTTGATTTGACCAATCCAGGAATTTTACATGAAAGGTCCAC	1345
OY	1179	TGTAAACAATGACACAGCTGCGAGGCCCTGTGCCCTGGCGGGGTGGAATGTGCTCTCGG	1238
Db	1346	TGCACAACAATGTTTGTAAAGTGTGAAGATTTTTTAAGAGAGTCCAGTACTTCTTGGC	1405
OY	1239	CTGTGGCCCTGCCATGGCTGGGAGGGGAGCCCATGCGCCACATCAGTGAAGGGCAACCTG	1298

Db	1406	TCGG----	AAGCAGGAGATGGGAAACCCACTGCTGTCTACTTTCCTTGGTCTGTGACGAT	1467
Qy	1299	GGGGAACCCAGAGACCCGGGCTGTCTCAGTGCACCCCTTGGCGCGGTGGCTGCCTTCTG	1358	
Db	1463	GTAACACCCAGAGCCGGGTTTGTCAAGGTGCCCTCCACCAGGAATGGCAGTGCATC	1522	
Qy	1359	CAGTGCAGGCTTCCTTTTTCGCGGGCCCTGTGTACTCTTCAGCGAAATCTCTTCACTCT	1418	
Db	1523	AGGTGCACAAATCCATTTTGGCCGACATGGATGATGTCTACGCAAGATCACTTTCCAAATCA	1582	
Qy	1419	GATGTGTGAACAATTCCTCTCCGGCACTGGAGAGACACTTCGCGACACCCCTGTGTGG	1478	
Db	1583	GATGTGTGAATGTATTAACAATCTGTGAAGCCCTTCCACCTCTCTTA-----	1628	
Qy	1479	CCGCTGGCCCACTCCCAACCACTTGACAGCTTGAAGCTGGAGGCCAGAGCCAGAG	1538	
Db	1629	-----	TGGCACCCACCACTATGAT	1648
Qy	1539	CCCGTGGCCAGAGGCGAGGGAAGCCCAACGCCCATCTCATGTGGCTGCTGTGGCTCATC	1598	
Db	1649	CCCACTGTTAAAGTTGATGATGATGAACACACGCGGATCCTGATGTGTGTGGTGGCCATC	1708	
Qy	1599	ATCCGTCTCTGCTGCTCATCATGTGCCCTATGCTCGGGGGGTGCACGTGGGCGACGATC	1658	
Db	1709	ATCTTCACTCTGTGCTGTGTATCATGTATATCTGTGGAGGAGTCTTGGGAGAAATG	1768	
Qy	1659	CTCAGCAAGGCTGAACGAGAGGTGTGGAAAGAGAGACTGACGGTGTCACTCTCTCCCT	1718	
Db	1769	CTAAGAAAGGCTCACGAGAGGATCTGGATGATGAATGACATGACGCTTCCCTGGCC	1828	
Qy	1719	GGGGAACATATTCCTATCAACAAACGCCCAAGTCTTAGAGAGCACCCCGTACAGGAG	1778	
Db	1839	AGCGAGTCCACATGTTTCATATACMACCGCTCTCTC-----ATCAACAAGTACAGAGAG	1882	
Qy	1779	CCCCGAGCTCTGGGAATCCGCCCCCACTCCGCTCCGTGTGCCCAATAGGCTGTCCGTTG	1838	
Db	1883	TCCAACTTACTTATGTATCGAATCTTCCCTTTCGCTCTGACTACAGAGGCATTCAGA	1942	
Qy	1839	CTGCTCTCAATCCAGGCTTACCGGCTCTTCTGGCACTTACGCGCGTCCCTCTGAAGC	1898	
Db	1943	CTGATC-----	-----	1948
Qy	1899	CCGGGCCCCCCACACCCGCTGGGCGCAACCCACCAACCCAGGCTTACAGTGGGAC	1938	
Db	1949	-----	-GGAAAGCTTCCAGATTGTGCTCCAGGAGAGAGGA	1983
Qy	1959	TATATGAGCCTTGAGAGACGAGCGCCGCTTCTGCCCCCACTCCCAAGAACGCTC	2018	
Db	1984	GTCAGGTGTGAGTGTGTGTGAAGCCGCGC-----CAAGCCAAATGACCTGAGGCGCTG	2038	
Qy	2019	CCCCATTATGCCGAGGCTGACATTTGTTACCTCTGACAGGCGCTCACCGGGGACCACTAT	2078	
Db	2039	CCCCACTATGAGAGAGCCGACATATGTAATCTCCAGGAGTGAAGGTGGCAACACCTAC	2098	
Qy	2079	GCTGTGCTGTGACGTGCCCGAG---GGGCACTGGGGATGGGCCCCCAAGTGGATTTC	2135	
Db	2099	TGTGTGCTGTGTATMACCATGATCTGCTATCGGGGAAAGATGTGGCTGTGGAAAGTTT	2158	
Qy	2136	CCTGATCTGTGACCTCGCTTCAAGAGAAAGCTTGGGAGAGGCACTTTGGGAGGTGCAC	2195	
Db	2159	CCCAAGAACTGTGGCTTCCAGAGAAAGCTGGGAAAGGCCAATTTGGGAGGCTTCAT	2218	
Qy	2196	CTGTGTAGGTGCAGACCCCTCAAGATCTGTGCAGCTTGATTTGCCCTTAAATGTGGCT	2255	
Db	2219	CTCTGTGAATGTGAAGGAAATGGAATAATTCAAAGACAAAGATTTTGCCTGTGATGTCACT	2278	
Qy	2256	AAGGGAACCCCTTGTCTGTGTAGCTGTCAAGATCTTACGGCCAGATGCCACCAAGATGCC	2315	
Db	2279	GCCAAACAGCAGCTGTCTGTGGTGGCCGTGAAGAAATGCTCCGAGAGATGCCAACAAATG--	2336	
Qy	2316	AGCTTTCCTTTTCTCCAGAGATGATTTCTGTGAAGAGGTGAAGATATGTCAAGCTC	2375	

Db 2337 -----CCAGGAATGATTTCTTAAGAGATCAAGATCATGTCTGGCTC 2380
QY 2376 AAGAGCCCCAACATCATTTGGCTGCTGGGCTGTGTGTGACAGACACCCCTCTGCATG 2435
Db 2381 AAGGACCCAAACATCATCTCGTCTTACCTGTGCATCATCAAGACCCCGCTGCATG 2440
QY 2436 ATTACTGACTATGAGAAAGGGGACCTCAACCGATTCTCAGTGGCCACCATGGAG 2495
Db 2441 ATCAGGAGATCATGGAAGAAAGGAGATCTTATCAGTTCTTCCGACAGAGCTCTG 2500
QY 2496 GACAAGGAGCGAGGGGGCCCTGGGAGAGGCTGGGAGGGGGCCACCATCAGC 2555
Db 2501 A-----GTTCTGTCTTCTAGTATGACCACTGAGT 2530
QY 2556 TACCCAAATGCTGCTGATGTGACAGCCAGATCCGCTCCGCAATGCTATCTGGCCACA 2615
Db 2531 TACGCCAACTGAAAGTTATGAGCAACCAAGATTGCTCTGTATGATTAATCTTCTGCT 2590
QY 2616 CTCAACTTTGATCATCGGGACCTGGCCACGCGGAACCTGCTAGTTGGGAAAATTTCAC 2675
Db 2591 CTCAACTTTGCTCCACCGAGATCTGGCCACAGAAACTGTTAGTGGGCAAGAAATTACAC 2650
QY 2676 ATCAAAATCGCAGACTTTGGATGAGCGGAACTCTATGCTGGGAGATTAACCGTGTG 2735
Db 2651 ATCAAGATAGCTGATTTTGGATGAGCAAGAAACCTGTAAGTGGTATTAACCGGATC 2710
QY 2736 CAGGCGCGGCGAGTGTCTCCATCCGCTGATGAGCTGGAGTGCATCCCTCATGGGAGAG 2795
Db 2711 CAGGCGCGGCGGATGCTCCATCCGCTGATGAGTGCATGGGAAAGATTTCTCTGGGCAAA 2770
QY 2796 TTCAAGATGCTGATGAGTGTGGGCTTTGTGTGACCCCTGTGGAGAGTCTGATGCTC 2855
Db 2771 TTCAAGATGCTGATGAGTGTGGGCTTTGTGTGAGTCTGTGGGAAACCTTCACTCCTT 2830
QY 2856 TGTAGGCGCCACCTTTGGGAGCTACAGCAGCAGCAGTCAAGACCGGAGGAG 2915
Db 2831 TGCCAGAGAGAGCCCTATCTCCAGCTGTGATGAGCAAGTATTCAGAAACTGGAGAG 2890
QY 2916 TTCTCCGCGGACAGGCGCGGAGTGTATCTGCTCCGCGCTGCTGCGCCGAGGCG 2975
Db 2891 TTCTCCGCGGACAGGAGGAGGAGATCATCTCTCCCTCAACAGCGCTTGGCCGAGCT 2950
QY 2976 CTATATGAGCTGATGCTGCTGCTGTGAGCGCGGAGTGTGAGCAGCAGCCTTTTCC 3035
Db 2951 GTGATTAAGCTGATGCTGCTGCTGTGAGGAGAGAAACCAAGCAGCGGCTCTTCCAG 3010
QY 3036 CAGCTGATCGGCTCTGCGAGAGATGCACTCAACAGGCTGTGATCA 3084
Db 3011 GAATATACCTCTGCTTCTTCAAGAGAGGAGCGAGTGTATGATCA 3059

RESULT 14
US-08-286-305A-4
; Sequence 4, Application US/08286305A
; Patient No. 576863
; GENERAL INFORMATION:
; APPLICANT: Godowski, Paul J.
; APPLICANT: Mark, Melanie R.
; APPLICANT: Sadick, Michael D.
; APPLICANT: Shelton, David L.
; APPLICANT: Wong, Mai Lee Tan
; TITLE OF INVENTION: KINASE RECEPTOR ACTIVATION ASSAY
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 460 Point San Bruno Blvd
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286.305A
FILING DATE: 05-AUG-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/170558
FILING DATE: 20-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/157563
FILING DATE: 23-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lee, Wendy M.
REGISTRATION NUMBER: 00,000
REFERENCE/DOCKET NUMBER: 854C1P1
TELEPHONE: 415/225-1994
TELEFAX: 415/952-9881
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 2820 bases
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
US-08-286-305A-4

Query Match 4.6%; Score 182.2; DB 1; Length 2820;
Best Local Similarity 59.9%; Pred. No. 9.3e-34;
Matches 348; Conservative 0; Mismatches 218; Indels 15; Gaps 2;

QY 2332 TCCTGTCTCCAGGAATGATTTCTGAAAGGAGATGATGAGGCTCAAGGAC 2381
Db 1994 TCCGAGATGCTCGGACAGACTTCCAGCTGAGGCTGAGCTCTACCATGTGACGAC 2053
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Db 2054 CAGCAGATCGTGGCTTTTGGGCTGTGACCGAGGGCCGCTGTGATGATGCTTT 2113
QY 2442 GACTATGAGAGACGGGAGCTCAACCAAGTTCTCAGTGTCCACAGCTGAGAGCAAG 2501
Db 2114 GAGTATATGCGGACGGGAGCTCAACCGCTCTCCATCCATGAGAGCTGATGCCAA- 2172
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Db 2173 -----GCTGCTGCTGTGTGGAGGATGTGCTCCAGGCGCCCTGGGCTGGGG 2221
QY 2562 ATGCTGCTGATGTGGACGCCAGATCGCTCCGCGATGCGCTATCTGGCCACTCAAC 2621
Db 2222 CAGCTGCTGGCGGTGGCTATGCGCAGAGTCTGTGGGAGTGTATCTGGCGGTGCTG 2281
QY 2622 TTTGTACTGCGGAGCTGGCCAGCGGAGTGTGATGTTGGGAAAATTTCACATCAA 2681
Db 2282 TTTGTGACCGGAGCTGGCCAGCAACTGTATGTTGGGCGAGGAGTGTGTGTAAG 2341
QY 2682 ATCCAGACTTTGATGATGAGCGGAGAACTGTATGCTGGGAGCTATTAACCTGTGAGGG 2741
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QY 2802 ACTGCGATGAGTGTGGGCTTTGTGTGACCTGTGGAGAGTGTATGCTGTGAGG 2861
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QY 2862 GCCAGCCCTTTGGGAGCTCAGCAGAGAGAGTCAATGA 2902
Db 2522 ---CAGCCCTGTACAGCTCTCCACACGAGAGGCAATCA 2559

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Db	2054	CAGCAGATCTGTCGCTTCTTCGGCTGTGACACCGAGGGCGCCCTCGTCATGGTCTTT	2113	
OY	2442	GACTACATGAGAGAACGGGAGCTCAACCAAGTTCCTCAAGCGCCACCAAGTGGAGAGCAAG	2501	
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Db	2282	TTTGGCACGGGACCTGGGACACGCCCACTGTCTAGTGGGACAGGACTGATGGTCAG	2341
QY	2682	ATCGACACTTTTGGCATGACGCCGGAACCTATAGTGGGACTATTACCGTGTGCAAGC	2741
Db	2342	ATTGTGATTTTGGCATGACGAGGATATCTACAGACCGAATATTACCTGTGGAGGC	2401
QY	2742	CGGCGAGTGTGCCCATCCGCTGGATGGCTGGGAGTGCATCCTCATGGGAAAGTTCCG	2801
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Db	2522	---CAGCCTGTGATCCAGCTCTTCAACACAGAGGACATGA	2559

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Job time: 22867 sec
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